

Allocation of UAS licences

3307. SHRI RAJEEV CHANDRASEKHAR: Will the Minister of COMMUNICATIONS AND INFORMATION TECHNOLOGY be pleased to state:

(a) whether Government has issued Unified Access Services (UAS) licences since 10 January, 2008;

(b) if so, the details thereof including date of application, effective date of licence and date of allocation of start up spectrum company-wise and circle-wise; and

(c) the details of 2G spectrum currently available for future allocation in the 800, 900 and 1800 MHz bands, circle-wise?

THE MINISTER OF STATE IN THE MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY (SHRI MILIND DEORA): (a) and (b) The details of the Unified Access Services (UAS) licences issued since 10 January, 2008 including date of application, effective date of licence and date of allocation of start up spectrum servic area-wise alongwith name of company is given in Statement-I (*See below*).

(c) The details of 2G spectrum availability as on 31.07.2011 in the 900 and 1800 MHz bands is given in Statement (*See below*) and in the 800 MHz bands is given in Statement-III.

Statement-I

Details of the Unified Access Services (UAS) licences issued since 10 January, 2008

Sl. No.	Service area	Name of the Operator	Date of Application	Effective date of licence	Type of Technology	Date of allocation of start up Spectrum	Start up Spectrum allotted in the entire service area or part of the service area (S.A.)
1	2	3	4	5	6	7	8
1	Andhra Pradesh	Spice Communications Ltd.	31-Aug-2006	25/Jan/08	GSM	27.05.2008	Allotted in the entire S.A
2	Andhra Pradesh	Etisalat DB Telecom Pvt. Ltd.	2-Mar-2007	25/Jan/08	GSM	27.05.2008	Allotted in the entire S.A
3	Andhra Pradesh	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	27.05.2008	Allotted in the entire S.A
4	Andhra Pradesh	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	27.05.2008	Allotted in the entire S.A
5	Andhra Pradesh	Unitech Wireless (South) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	27.05.2008	Allotted in the entire S.A
6	Andhra Pradesh	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	11.04.2008	Allotted in the entire S.A
7	Assam	Tata Teleservices Ltd.	21-Jun-2006	25/Jan/08	CDMA	03.04.2008	Allotted in the entire S.A
8	Assam	Idea Cellular Ltd.	26-Jun-2006	25/Jan/08	GSM	22.12.2008	Allotted in the entire S.A
9	Assam	S Tel Ltd.	7-Jul-2007	25/Jan/08	GSM	22.12.2008	Not allotted in 3 Districts of the S.A only.

1	2	3	4	5	6	7	8
10	Assam	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	22.12.2008	Allotted in the entire S.A
11	Assam	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	22.12.2008	Not allotted in 3 Districts of the S.A only.
12	Assam	Unitech Wireless (East) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	22.12.2008	Not allotted in 3 Districts of the S.A only.
13	Assam	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	03.04.2008	Allotted in the entire S.A
14	Bihar	S Tel Ltd.	7-Jul-2007	25/Jan/08	GSM	03.10.2008	Allotted in the entire S.A
15	Bihar	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	03.10.2008	Allotted in the entire S.A
16	Bihar	Allianz Infratech (P) Ltd.	6-Sep-2007	31 /Jul/08	GSM	03.10.2008	Not allotted in 5 Districts of the S.A only.
17	Bihar	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	03.10.2008	Not allotted in 5 Districts of the S.A only.
18	Bihar	Unitech Wireless (East) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	03.10.2008	Allotted in the entire S.A
19	Bihar	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	11 04.2008	Allotted in the entire S.A
20	Delhi	Spice Communications Ltd.	31-Aug-2006	25/Jan/08	GSM	Not yet allocated	—

21	Delhi	Etisalat DB Telecom Pvt. Ltd.	2-Mar-2007	25/Jan/08	GSM	28.08.2008	Allotted in the entire S.A
22	Delhi	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	Not yet allocated	-
23	Delhi	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	Not yet allocated	-
24	Delhi	Unitech Wireless (Delhi) Pvt. Ltd.	24-Sep-2007	25/Jan/08.	GSM	Not yet allocated	-
25	Delhi	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	28.08.2008	Allotted in the entire S.A
26	Gujarat	Etisalat DB Telecom Pvt. Ltd.	2-Mar-2007	25/Jan/08	GSM	25.09.2008	Allotted in the entire S.A
27	Gujarat	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	25.09.2008	Allotted in the entire S.A
28	Gujarat	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	09.03.2009	Not allotted in 3 Districts of the S.A only.
29	Gujarat	Unitech Wireless (West) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	25.09.2008	Allotted in the entire S.A
30	Gujarat	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	29.05.2008	Allotted in the entire S.A
31	Haryana	Spice Communications Ltd.	31-Aug-2006	25/Jan/08	GSM	06.05.2009	Not allotted in 1 District of the S.A only.

1	2	3	4	5	6	7	8
32	Haryana	Etisalat DB Telecom Pvt. Ltd.	2-Mar-2007	25/Jan/08	GSM	04.12.2008	Not allotted in 1 Districts of the S.A only.
33	Haryana	Datacom^Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	04.12.2008	Allotted in the entire S.A
34	Haryana	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	04.12.2008	Not allotted in 2 Districts of the S.A only.
35	Haryana	Unitech Wireless (North) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	04.12.2008	Allotted in the entire S.A
36	Haryana	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	11.04.2008	Allotted in the entire S.A
37	Himachal Pradesh	S Tel Ltd.	7-Jul-2007	25/Jan/08	GSM	04.12.2008	Allotted in the entire S.A
38	Himachal Pradesh	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	04.12.2008	Allotted in the entire S.A
39	Himachal Pradesh	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	04.12.2008	Not allotted in 6 Districts of the S.A only.
40	Himachal Pradesh	Unitech Wireless (North) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	04.12.2008	Allotted in the entire S.A
41	Himachal Pradesh	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	11.04.2008	Allotted in the entire S.A
42	Jammu & Kashmir	Tata Teleservices Ltd.	21-Jun-2006	25/Jan/08	CDMA	03.04.2008	Allotted in the entire S.A
43	Jammu & Kashmir	Idea Cellular Ltd.	26-Jun-2006	25/Jan/08	GSM	24.12.2008	Allotted in the entire S.A

44	Jammu & Kashmir	S Tel Ltd.	7-Jul-2007	25/Jan/08	GSM	24.12.2008	Allotted in 2 Districts of the S.A
45	Jammu & Kashmir	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	24.12.2008	Allotted in the entire S.A
46	Jammu & Kashmir	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	24.12.2008	Allotted in 2 Districts of the S.A
47	Jammu & Kashmir	Unitech Wireless (North) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	24.12.2008	Allotted in 2 Districts of the S.A
48	Jammu & Kashmir	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	03.04.2008	Allotted in the entire S.A
49	Karnataka	Idea Cellular Ltd.	26-Jun-2006	25/Jan/08	GSM	30.05.2008	Allotted in the entire S.A
50	Karnataka	Etisalat DB Telecom Pvt. Ltd.	2-Mar-2007	25/Jan/08	GSM	30.05.2008	Allotted in the entire S.A
51	Karnataka	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	30.05.2008	Allotted in the entire S.A
52	Karnataka	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	30.05.2008	Allotted in the entire S.A
53	Karnataka	Unitech Wireless (South) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	30.05.2008	Allotted in the entire S.A
54	Karnataka	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	29.05.2008	Allotted in the entire S.A
55	Kerala	Etisalat DB Telecom Pvt. Ltd.	2-Mar-2007	25/Jan/08	GSM	15.05.2008	Allotted in the entire S.A
56	Kerala	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	15.05.2008	Allotted in the entire S.A

1	2	3	4	5	6	7	8
57	Kerala	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	15.05.2008	Allotted in the entire S.A
58	Kerala	Unitech Wireless (South) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	15.05.2008	Allotted in the entire S.A
59	Kerala	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	14.05.2008	Allotted in the entire S.A
60	Kolkata	Idea Cellular Ltd.	26-Jun-2006	25/Jan/08	GSM	05.12.2008	Allotted in the entire S.A
61	Kolkata	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	05.12.2008	Allotted in the entire S.A
62	Kolkata	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	05.12.2008	Allotted in the entire S.A
63	Kolkata	Unitech Wireless (Kolkata) Pvt. Ltd	24-Sep-2007	25/Jan/08	GSM	05.12.2008	Allotted in the entire S.A
64	Kolkata	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	05.12.2008	Allotted in the entire S.A
65	Madhya Pradesh	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	28.08.2008	Allotted in the entire S.A
66	Madhya Pradesh	Allianz Infratech (P) Ltd.	6-Sep-2007	31/Jul/08	GSM	28.08.2008	Allotted in the entire S.A
67	Madhya Pradesh	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	28.08.2008	Allotted in the entire S.A
68	Madhya Pradesh	Unitech Wireless (West) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	28.08.2008	Allotted in the entire S.A
69	Madhya Pradesh	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	11.04.2008.	Allotted hi the entire S.A
70	Maharashtra	Spice Communications Ltd.	31-Aug-2006	25/Jan/08	GSM	06.05.2009	Allotted in the entire S.A

71	Maharashtra	Etisalat DB Telecom Pvt. Ltd.	2-Mar-2007	25/Jan/08	GSM	10.09.2008	Allotted in the entire S.A
72	Maharashtra	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	10.09.2008	Allotted in the entire S.A
73	Maharashtra	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	14.11.2008	Allotted in the entire S.A
74	Maharashtra	Unitech Wireless (West) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	10.09.2008	Allotted in the entire S.A
75	Maharashtra	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	14.05.2008	Allotted in the entire S.A
76	Mumbai	Etisalat DB Telecom Pvt. Ltd.	2-Mar-2007	25/Jan/08;	GSM	09.09.2008	Allotted in the entire S.A
77	Mumbai	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	09.09.2008	Allotted in the entire S.A
78	Mumbai	Unitech Wireless (Mumbai) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	09.09.2008	Allotted in the entire S.A
79	Mumbai	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	28.08.2008	Allotted in the entire S.A
80	North East	Tata Teleservices Ltd.	21-Jun-2006	25/Jan/08	CDMA	03.04.2008	Allotted in the entire S.A
81	North East	Idea Cellular Ltd.	26-Jun-2006	25/Jan/08	GSM	23.12.2008	Allotted in the entire S.A
82	North East	S Tel Ltd.	7-Jul-2007	25/Jan/08	GSM	23.12.2008	Not allotted in 2 Districts of the S.A only.
83	North East	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	23.12.2008	Allotted in the entire S.A
84	North East	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	23.12.2008	Not allotted in 2 Districts of the S.A only.

1	2	3	4	5	6	7	8
85	North East	Unitech Wireless (East) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	23.12.2008	Not allotted in 2 Districts of the S.A only.
86	North East	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	03.04.2008	Allotted in the entire S.A
87	Orissa	Idea Cellular Ltd.	26-Jun-2006	25/Jan/08	GSM	24.04.2008	Allotted in the entire S.A
88	Orissa	S Tel Ltd.	7-Jul-2007	25/Jan/08	GSM	24.04.2008	Allotted in the entire S.A
89	Orissa	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	24.04.2008	Allotted in the entire S.A
90	Orissa	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	24.04.2008	Allotted in the entire S.A
91	Orissa	Unitech Wireless (East) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	24.04.2008	Allotted in the entire S.A
92	Orissa	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	29.05.2008	Allotted in the entire S.A
93	Punjab	Idea Cellular Ltd.	26-Jun-2006	25/Jan/08	GSM	06.05.2009	Allotted in the entire S.A
94	Punjab	Etisalat DB Telecom Pvt. Ltd.	2-Mar-2007	25/Jan/08	GSM	10.09.2008	Allotted in the entire S.A
95	Punjab	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	09.03.2009	Not allotted in 2 Districts of the S.A only.
96	Punjab	Unitech Wireless (North) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	10.09.2008	Allotted in the entire S.A

97	Punjab	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	25.07.2008	Allotted in the entire S.A
98	Rajasthan	Etisalat DB Telecom Pvt. Ltd.	2-Mar-2007	25/Jan/08	GSM	23.12.2008	Not allotted in 11 Districts of the S.A only.
99	Rajasthan	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	23.12.2008	Not allotted in 11 Districts of the S.A only.
100	Rajasthan	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	23.12.2008	Not allotted in 11 Districts of the S.A only.
101	Rajasthan	Unitech Wireless (North) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	23.12.2008	Not allotted in 11 Districts of the S.A only.
102	Tamilnadu (including Chennai)	Idea Cellular Ltd.	26-Jun-2006	25/Jan/08	GSM	22.04.2008	Allotted in the entire S.A
103	Tamilnadu (including Chennai)	Etisalat DB Telecom Pvt. Ltd.	2-Mar-2007	25/Jan/08	GSM	22.04.2008	Allotted in the entire S.A
104	Tamilnadu (including Chennai)	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	22.04.2008	Allotted in the entire S.A
105	Tamilnadu (including Chennai)	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	22.04.2008	Allotted in the entire S.A

1	2	3	4	5	6	7	8
106	Tamilnadu (including Chennai)	Unitech Wireless (Tamil Nadu) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	22.04.2008	Allotted in the entire S.A
107	Tamilnadu (including Chennai)	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	11.04.2008	Allotted in the entire S.A
108	Uttar Pradesh (East)	Etisalat DB Telecom Pvt. Ltd.	2-Mar-2007	25/Jan/08	GSM	10.09.2008	Allotted in the entire S.A
109	Uttar Pradesh (East)	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	10.09.2008	Allotted in the entire S.A
110	Uttar Pradesh (East)	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	21.01.2009	Not allotted in 3 Districts of the S.A only.
111	Uttar Pradesh (East)	Unitech Wireless (East) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	10.09.2008	Allotted in the entire S.A
112	Uttar Pradesh (East)	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	11.04.2008	Allotectm the entire S.A
113	Uttar Pradesh (West)	Etisalat DB Telecom Pvt. Ltd.	2-Mar-2007	25/Jan/08	GSM	25.09.2008	Allotted in the entire S.A

114	Uttar Pradesh (West)	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	25.09.2008	Allotted in the entire S.A
115	Uttar Pradesh (West)	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	26.12.2008	Not allotted in 4 Districts of the S.A only.
116	Uttar Pradesh (West)	Unitech Wireless (North) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	25.09.2008	Allotted in the entire S.A
117	Uttar Pradesh (West)	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	11.04.2008	Allotted in the entire S.A
118	West Bengal	Idea Cellular Ltd.	26-Jun-2006	25/Jan/08	GSM	09.01.2009	Allotted in the entire S.A
119	West Bengal	Datacom Solutions Pvt. Ltd.	28-Aug-2007	25/Jan/08	GSM	09.01.2009	Allotted in the entire S.A
120	West Bengal	Loop Telecom Private Ltd.	6-Sep-2007	25/Jan/08	GSM	09.01.2009	Not allotted in 3 Districts of the S.A only.
121	West Bengal	Unitech Wireless (East) Pvt. Ltd.	24-Sep-2007	25/Jan/08	GSM	09.01.2009	Allotted in the entire S.A
122	West Bengal	Sistema Shyam Teleservices Ltd.	25-Sep-2007	25/Jan/08	CDMA	11.04.2008	Allotted in the entire S.A

Statement-II

*Availability of GSM Spectrum after release of 10 MHz spectrum
by Ministry of Defence as on 31.07.2011*

Sl.No.	Service Area	Availability of 2G spectrum based on internal assessment in MHz	
		900 MHz	1800MHz
1	2	3	4
1	Delhi	Nil	11.6
2	Mumbai	Nil	5
3	Kolkata	Nil	23
		Nil	6
4	Maharashtra	Nil	6
5	Gujarat	Nil	4.4
		Nil	
6	Andhra Pradesh	Nil	15
7	Karnataka	Nil	11.8
8	Tamilnadu including Chennai	Nil	25.4
9	Kerala	Nil	28
10	Punjab	Nil	1.4
11	Haryana	Nil	4.4
12	Uttar Pradesh (West)	Nil	8.2
13	Uttar Pradesh (East)	Nil	Nil
14	Rajasthan	Nil	3.2
15	Madhya Pradesh	Nil	18
16	West Bengal	Nil	4
17	Himachal Pradesh	Nil	6.4
		Nil	

1	2	3	4
18	Bihar	Nil	Nil
		Nil	
19	Orissa	Nil	18
20	Assam	Nil	3.8
21	North-East	Nil	7
22	Jammu & Kashmir	Nil	6.4

Note: 5 MHz of spectrum was released by Ministry of Defence (MOD) during October, 2009 and second 5 MHz of spectrum was released by MOD during August, 2010. The 10 MHz spectrum released by Defence also includes some part of spectrum already allotted to service providers/service licensees.

Statement-III

Availability of CDMA spectrum in 800 MHz band as on 31.07.2011

Sl. No.	Service Area	Available spectrum in CDMA 800 MHz band (Paired) in MHz
1	2	3
1	Delhi Metro	1.25+1.25 MHz (1 carrier)
2.	Mumbai Metro	1.25+1.25 MHz (1 carrier)
3	Kolkata Metro	2.5+2.5 MHz(2 carriers)
4	Chennai Metro	3.75+3.75 MHz (3 carriers)
5	Andhra Pradesh	NIL
6	Assam	7.5 + 7.5 MHz(6 carriers)
7	Bihar	3.75+3.75 MHz (3 carriers)
8	Gujarat	5.0 + 5.0 MHz(4 carriers)
9	Haryana	3.75+3.75 MHz(3 carriers)
10.	Himachal Pradesh	7.5 + 7.5MHz(6 carriers)
11.	Jammu & Kashmir	5.0 + 5.0 MHz(4 carriers)

1	2	3
12	Karnataka	3.75+3.75 MHz (3 carriers)
13	Kerala	2.5+2.5 MHz (2 carriers)
14	Madhya Pradesh	3.75+3.75 MHz (3 carriers)
15	Maharashtra	1.25+1.25 MHz (1 carrier)
16	NE Region	7.5 + 7.5MHz (6 carriers)
17	Orissa	6.25+6.25 MHz (5 carriers)
18	Punjab	1.25+1.25 MHz (1 carrier)
19	Rajasthan	Nil
20	Tamil Nadu	2.5+2.5 MHz (2 carriers)
21	UP (E)	2.5+2.5 MHz (2 carriers)
22	UP (W)	3.75+3.75 MHz (3 carriers)
23	West Bengal	5.0 + 5.0 MHz (4 carriers)

P.S. - Availability of CDMA carriers are subject to no Inter-Operator guard band.

Installation of telephone towers

3308. SHRI B.S. GNANADESIKAN: Will the Minister of COMMUNICATIONS AND INFORMATION TECHNOLOGY be pleased to state:

(a) whether any norms and guidelines have been fixed by Government for installation of telephone towers;

(b) if so, whether Government has considered the residential areas, schools and hospitals near which the telephone towers should not be installed;

(c) if so, the details thereof; and

(d) if not, the reasons therefor?

THE MINISTER OF STATE IN THE MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY (SHRI MILIND DEORA): (a) Sir, Mobile Towers are being installed by the Telecom Service Providers and Infrastructure Providers Category-I based on their Radio Frequency Network